



Designation: C1535 – 05 (Reapproved 2017)

Standard Practice for Application of Exterior Insulation and Finish Systems Class PI¹

This standard is issued under the fixed designation C1535; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This practice covers the minimum requirements and procedures for field or prefabricated application of Class PI Exterior Insulation and Finish Systems (EIFS). Class PI EIFS are systems applied over polyisocyanurate insulation board, in which the base coat ranges from not less than $\frac{1}{16}$ in. (1.6 mm) to $\frac{1}{4}$ in. (6.4 mm) in dry thickness, depending upon the number of nonmetallic reinforcing mesh layers encapsulated in the base coat. The base coat is then covered with a finish coat of various thickness in a variety of textures and colors. The insulation board shall be applied over a substrate or over open framing.

1.2 This practice does not cover Class PI EIFS with drainage. Consult the EIFS producer for information.

1.3 The values stated in inch-pound units are to be regarded as the standard. The SI (metric) values given in parentheses are approximate and are provided for information purposes only.

1.4 The text of this standard references notes and footnotes that provide explanatory material. These notes and footnotes shall not be considered as requirements of the standard.

1.5 *This standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This practice is under the jurisdiction of ASTM Committee C11 on Gypsum and Related Building Materials and Systems and is the direct responsibility of Subcommittee C11.05 on Application of Exterior Insulating and Finish Systems and Related Products.

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2. Referenced Documents

2.1 ASTM Standards:²

C11 Terminology Relating to Gypsum and Related Building Materials and Systems

C79/C79M Specification for Gypsum Sheathing Board (Withdrawn 2004)³

C150 Specification for Portland Cement

C1063 Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster

C1177/C1177M Specification for Glass Mat Gypsum Substrate for Use as Sheathing

C1186 Specification for Flat Fiber-Cement Sheets

C1278/C1278M Specification for Fiber-Reinforced Gypsum Panel

C1280 Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing

C1289 Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board

C1325 Specification for Non-Asbestos Fiber-Mat Reinforced Cementitious Backer Units

C1382 Test Method for Determining Tensile Adhesion Properties of Sealants When Used in Exterior Insulation and Finish Systems (EIFS) Joints

C1472 Guide for Calculating Movement and Other Effects When Establishing Sealant Joint Width

C1481 Guide for Use of Joint Sealants with Exterior Insulation and Finish Systems (EIFS)

E1825 Guide for Evaluation of Exterior Building Wall Materials, Products, and Systems

E2110 Terminology for Exterior Insulation and Finish Systems (EIFS)

3. Terminology

3.1 Definitions used in this standard shall be in accordance with Terminologies C11 and E2110.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

*A Summary of Changes section appears at the end of this standard